



# **Section D**

## ***Advanced Reactors Transition***

### **PROJECT MANAGERS**

O.A. Farabee, RL  
(509) 376-8089

A.C. Crawford, FH  
(509) 376-5457

## INTRODUCTION

The Advanced Reactor Transition (ART) Program, PBS RL-RC03, Work Breakdown Structure (WBS) 3.1.3, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2002.

## NOTABLE ACCOMPLISHMENTS

**NE Legacies Deactivation** — Cold trap economizer and crystallizer are awaiting approval of the DOT exemption so they can be shipped offsite; they are now on the main level of 337B. Field work has started on modifying the 3718-M tank to prepare it for residue removal (insertion of dip tubes and routing of process piping to building wall). The Statement of Work for outside contractor to remove sodium residuals from CRCTA vessel and 3718-M tank is undergoing final review at Procurement. The design and methods development for preparing the CRCTA tank is underway.

Work was completed on the 309 building annex roof repairs.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

## UPCOMING ACTIVITIES

**Shutdown the 309 Building** — To minimize Surveillance and Maintenance (S&M) costs while aligning with the 300 Area Accelerated Closure Plan, 1) the building will be secured to minimize intrusion, pending resumption of deactivation activities in 2009.

**NE Legacies Deactivation** — Place a contract for cleaning sodium residue from 3718M and Composite Reactor Component Test Activity (CRCTA) tanks.

## MILESTONE ACHIEVEMENT FH Contract Milestones

There are no ART Milestones.

## PERFORMANCE OBJECTIVES

Nothing to report at this time.

## FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

		FYTD								
	By PBS	BCWS	BCWP	ACWP	SV	%	CV	%	BAC	
PBS RL-RC03	Advanced Reactors Transition									
WBS 3.1.3.1	NE Legacy Facilities Transition	\$ 1,126	\$ 1,125	\$ 799	\$ (0)	0%	\$ 326	29%	\$ 1,467	
WBS 3.1.3.2	PRTR/309 Building Transition	\$ 178	\$ 227	\$ 146	\$ 49	27%	81	36%	\$ 221	
WBS 3.1.3.3	ART Project Management	\$ 166	\$ 166	\$ 109	\$ -	0%	\$ 57	34%	\$ 188	
Total		\$ 1,469	\$ 1,518	\$ 1,054	\$ 48	3%	\$ 464	31%	\$ 1,876	

### FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.05 million (3 percent) favorable schedule variance was due to greater than planned progress this fiscal year on the 309 Building transition to shutdown activities.

The \$0.46 million (31 percent) favorable cost variance is primarily due to better than planned progress in the NE Legacies sodium loop deactivation work and 309 Building surveillance activities.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, FYTD Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (+ \$0.05M)

#### Advanced Reactor Transition — 3.1.3/RC03

**Description/Cause:** The favorable schedule variance is primarily due to better than planned progress this fiscal year on the 309 Building transition to shutdown activities.

**Impact:** There is no significant project impact at this time.

**Corrective Action:** None required.

### Cost Variance Analysis: (+ \$0.46M)

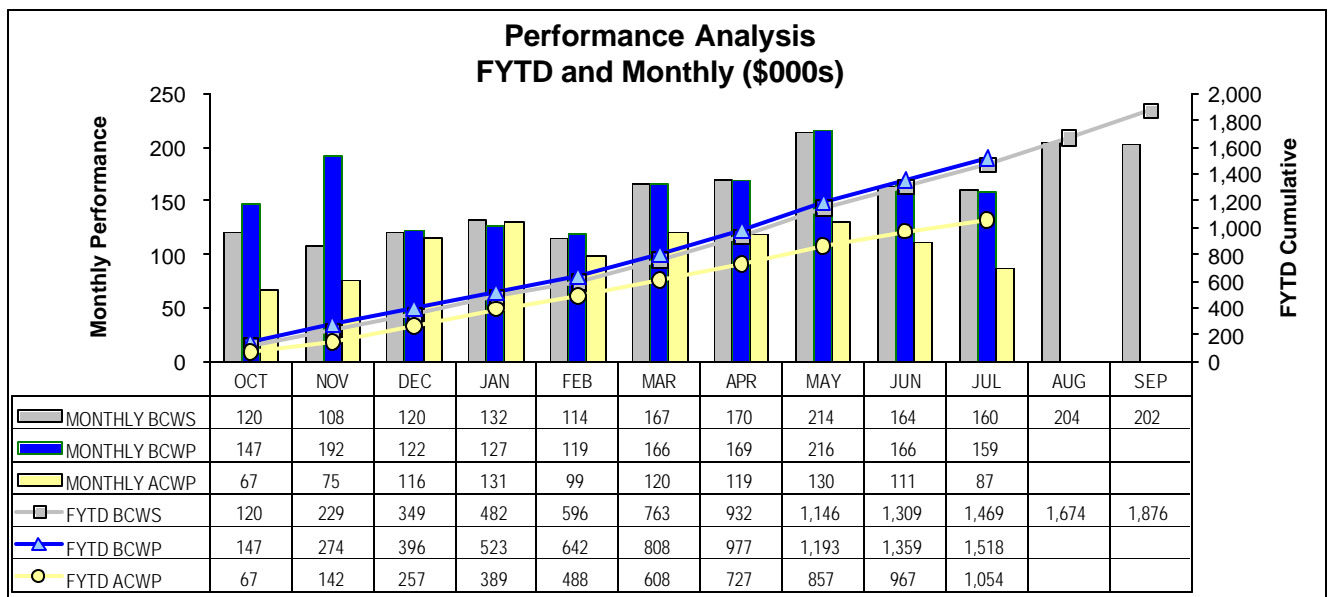
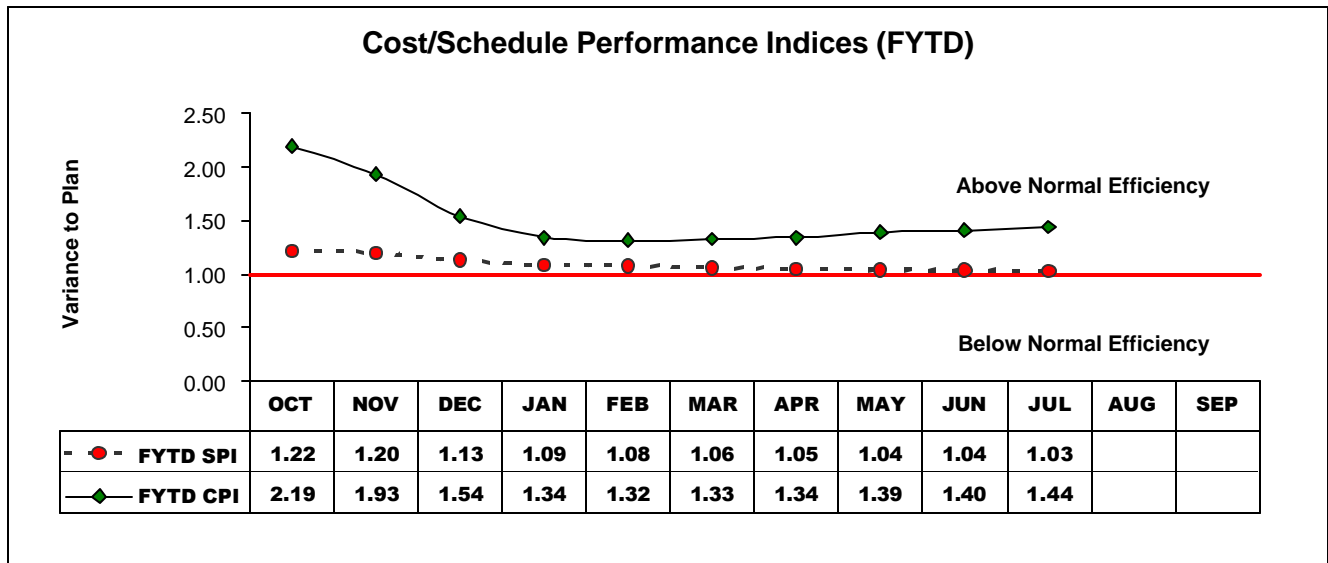
#### Advanced Reactor Transition — 3.1.3/RC03

**Description/Cause:** The favorable cost variance is primarily due to performing the NE Legacies sodium loop deactivation work and 309 Building surveillance activities for less than planned.

**Impact:** There is no significant project impact at this time.

**Corrective Action:** None required.

## COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



## FUNDS MANAGEMENT

### FYTD FUNDS VS SPENDING FORECAST (\$000)

	FH Funds Reallocation	FYSF	Variance
<b>3.1.3 Advanced Reactor Transition</b>			
<b>RC03 - EM (Other Funding)</b>	<b>\$ 2,285</b>	<b>\$ 1,467</b>	<b>\$ 818</b>
<b>Total</b>	<b>\$ 2,285</b>	<b>\$ 1,467</b>	<b>\$ 818</b>

NOTES: FH reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

## ISSUES

### Technical, Regulatory, External, and DOE Issues and DOE Requests

**Issue:** Nothing to report at this time.

**Impacts:** None.

**Corrective Action:** None at this time.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.